

(19) World Intellectual Property Organization
International Bureau



06 JUL 2004
03/065008 A2

(43) International Publication Date
7 August 2003 (07.08.2003)

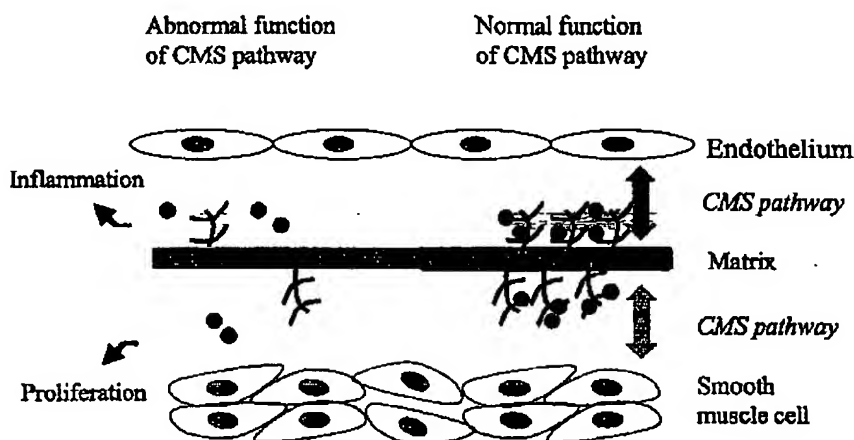
PCT

(10) International Publication Number
WO 03/065008 A2

- (51) International Patent Classification⁷: G01N
- (21) International Application Number: PCT/US03/02940
- (22) International Filing Date: 31 January 2003 (31.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/353,415 31 January 2002 (31.01.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: METHODS AND COMPOSITIONS FOR IDENTIFICATION AND THERAPEUTIC USE OF GENES INVOLVED IN VASCULAR AND PROLIFERATIVE DISEASES



(57) Abstract: The present invention comprises compositions and methods for identification of genes involved in vascular diseases using human endothelial and smooth cell "artery wall" models to capture the cell-cell and cell-matrix communications that are operative in normal and diseases conditions. The present invention further comprises the capture of the complexity of multiple chronic pathologies that coexist in humans by simultaneous treatment of the cells with disease specific stimuli and the identification and use of genes that are regulated by such multiple established disease mediators. The present invention additionally comprises compositions and methods of treatment of vascular disease.

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